

Civil Engineering Department De La Salle University - Manila

Experiment No. 1
Data Sheet for Total Evaporable Moisture Content of
Aggregate by Drying

Performed By: Daniel Kenneth Villanueva, Chloe Felix, Arianna Ongto and Janna Caringal

Date Tested: October 26, 2020

Room Temperature: 26 °C

Weather: Rainy

Sample Code/ Description: Gravel

Test No.	1	2	3
1. Container No.	1		
2. Weight of Container, g	383.2		
3. Weight of Sample + Container, g	4170.5		
4. Weight of Sample: $W = [3] - [2]$, g	3787.3		
5. Weight of Oven-Dried Sample + Container, g	4121.9		
6. Weight of Oven-Dried Sample: $D = [5] - [2]$, g	3738.7		
7. $p = 100 \times \{[4] - [6]\} / [6]$, %	1.300		
8. Average Moisture Content, %			

$P = \text{total evaporable moisture content} = 100 (W-D)/D$

Sample Code/ Description: Sand

Test No.	1	2	3
1. Container No.	1		
2. Weight of Container, g	201.1		
3. Weight of Sample + Container, g	702.8		
4. Weight of Sample: $W = [3] - [2]$, g	501.7		
5. Weight of Oven-Dried Sample + Container, g	691.7		
6. Weight of Oven-Dried Sample: $D = [5] - [2]$, g	490.6		
7. $p = 100 \times \{[4] - [6]\} / [6]$, %	2.262		
8. Average Moisture Content, %			

$P = \text{total evaporable moisture content} = 100 (W-D)/D$

Computation / Remarks: